

THE FARMS AND THE RANGES

Edited by Francis A. Chisholm, County Agricultural Agent

509,084 SQUARE MILES FREED FROM CATTLE-FEVER SCOURGE

Areas aggregating 50,555 square miles, formerly infested with cattle ticks, were released from federal quarantine last year by the United States department of agriculture. The total area freed from ticks since the beginning of the work in 1906 is 309,084 square miles, or 70 per cent of the area originally infested. The work is progressing also in additional territory.

Following the eradication of cattle-fever ticks well-bred stock may be safely introduced; in fact, regions of the south now removed from quarantine are raising and marketing excellent cattle, say department officials.

RAPID PROGRESS BEING MADE IN CATTLE TUBERCULOSIS WAR

Conspicuous among the efforts of the United States department of agriculture to suppress animal diseases during the past year has been the excellent progress in tuberculosis eradication. The accredited-herd plan, under which cattle passing a series of official tests receive appropriate recognition, has met with general support from livestock owners and state sanitary officials. During the fiscal year ended June 30, 1920, a total of 695,564 cattle were tested. Of these, 28,616 reacted and were removed. The number of accredited herds at the end of the year was approximately three times as large as on June 30, 1919. The records show also that in addition to fully accredited herds, 16,599 other herds containing 257,577 cattle have passed the first official test, no reactors being found. Public interest in the accredited-herd activities and the enthusiasm with which cattle owners are co-operating are shown by the number of applications for testing. The waiting list at times has included nearly 5,000 herds.

A noteworthy development in tuberculosis eradication is the tendency to free from the disease areas containing many farms. During the year Clay county, Miss., Island county, Wash., and Clatsop county, Ore., made complete tuberculosis tests of all cattle within their boundaries. The eradication of tuberculosis should proceed even more rapidly than in the past, when it is taken upon the area basis.

22,063,290 CATTLE OFFICIALLY EXAMINED DURING LAST YEAR

In the course of supervising the interstate transportation of livestock to prevent the spread of animal diseases United States department of agriculture specialists at market centers during the last fiscal year inspected 22,063,290 cattle, of which 24,628 were dipped under the department's supervision, so they might continue in interstate commerce. Sheep to the number of 23,472,528 also were inspected for communicable diseases, and of these 2,744,481 were dipped to comply with the regulations of the department or of the state of destination. Swine inspected numbered 39,754,970, and 574,558 of these were vaccinated

against hog cholera for distribution as feeding or breeding animals. Upon request of transportation companies and shippers or to comply with laws of states to which shipments were destined, department veterinarians inspected 36,393 horses and mules, of which 23,742 were tested with mallein, 5 showing reactions.

HIGHT PROPOSES LAW FOR INFECTED STOCK

Dr. R. J. Hight, state veterinarian, made public a bill he had drawn for presentation in the coming session of the legislature, relative to tuberculosis cattle. It would provide for co-operation between the state livestock sanitary board and the state veterinarian, with the bureau of animal industry for eradicating tuberculosis, for appraisal, destruction and the disposal of carcasses and for payment of damages to owners in certain cases. Veterinary inspectors to be appointed would be clothed with authority to enter any place an animal might be and take such custody of the animal as might be necessary for application of the tuberculin test. In the event the animal reacted on the tuberculin test, the inspector would at once condemn the animal and order it killed.

\$94,791 IN RETURNS EARNED BY GIRLS' AND BOYS' CLUBS

Supervision of boys' and girls' poultry clubs by the United States department of agriculture, in co-operation with state agricultural colleges, was continued during the last fiscal year in seven states, where there were 1,186 clubs with 29,480 members, of whom 12,786 made reports from which the following totals have been compiled: Eggs set, 731,709; chicks hatched, 510,478; value of products sold, \$94,791.32; value of stock on hand, \$382,177.37; exhibits held, 712; members exhibiting, 5,615; prizes received, \$9,681.11. A feature of progress was the improvement in quality of fowls bred by club members. In numerous instances the boys and girls won prizes, in open competition with older and established breeders.

BOTULISM AMONG HORSES ON ARIZONA RANGES

Investigation of botulism, which had caused the death of a number of horses, was made at Gila Bend by Dr. R. J. Hight, state veterinarian, who had returned to Phoenix. He said botulism was a forage complaint caused by a fungus growth on vegetation. It was commonly known as "blind staggers," he said, and was similar to the Kansas horse plague of a few years ago, of which many horses died.

A Rat Breeds 6 to 10 Times a Year

Averaging Ten Young to a Litter. Remember this, act as soon as you see the first rat. Get a pkg. of RAT-SNAP. It's a sure rat and mice destroyer. It's convenient, comes in cake form, no mixing. Mummifies rat after killing—leaves no smell. Cats or dogs won't touch it. Three sizes, 35c, 65c, \$1.25. Cold and guaranteed by W. H. Switzer, Breen-Lewis Drug Co., Babbitt Bros' Trading Co.

BUFFALO HERDS IN UNITED STATES INCREASE RAPIDLY

The American Bison society reports that in January, 1920, there were 3,393 wild and tame buffalo in the United States. This encouraging report sets at rest the very real fear that existed not long ago lest the native buffalo, which once roamed the western plains, would soon become extinct.

Of the nine government-owned herds, two of the largest under the care of the United States department of agriculture are located in the Wichita national game preserve, Oklahoma, and on the national bison range at Dixon, Mont. The herd on the Wichita preserve now numbers 154, including 28 calves of this year. In this herd 4 bulls and 12 cows are 10 years of age or over and one cow is 29 years old. The 15 animals that constituted the original Wichita herd came from the New York Zoological park.

In accordance with the provisions made by the 1919 appropriation bill for their care, it is planned this year to dispose of some of the surplus buffalo in the government herds. Public parks and municipalities are the largest patrons. By distributing the animals over the country, if disease or misfortune overtakes the main herds, there still will be stock left with which groups could be built up again.

The buffalo in the United States have increased about 300 per cent in 12 years. In 1908 there were 1,116 wild and tame buffalo in this country; at the beginning of 1920 there were 3,393. Canada has a larger number—5,780. This is due to the fact that several years ago, when the Pablo herd in Montana, belonging to Michel Pablo, a half-breed Indian, was for sale, the Canadian government bought the animals, sufficient interest not being exhibited by Americans at that time to make it possible to retain them in this country. The total number of wild and tame buffalo on the North American continent at present probably is more than 9,000 head.

BELEATED WAR JOKE

Stammering Lieutenant — "Does anybody know where I put-put-put my put-put-put-puttees?" Captain (in the next room) — "Ah! they've got that Ford working at last!"

LODGE DIRECTORY

LOYAL ORDER OF MOOSE—Flagstaff Lodge No. 302, L. O. O. M. meets first and third Friday nights of each month, at Elks' hall, upstairs. Visiting brothers always welcome.

W. J. STEVENSON, Dictator. ROBERT ERWIN, Secretary.

FLAGSTAFF LODGE NO. 11, L. O. O. F.—Meets every Monday night in Elks' Hall. Visiting members invited to attend.

E. C. PHILLIPS, Noble Grand. HORACE WYATT, Vice Grand. A. A. FOSTER, Secretary. E. C. MILLER, Treasurer.

MOUNTAIN LODGE NO. 15, K. O. P.—Meets in Elks' hall every Wednesday night. Visiting Knights are cordially invited to attend.

REV. LUTHER MOORE, C. C. FRED J. LUKS, V. C. R. L. NEILL, K. of R. S.

FLAGSTAFF REBEKAH LODGE NO. 17—Meets every second and fourth Thursday night each month in Elks' Hall. Visiting members of the order cordially invited to attend.

LOTTIE PAUL, N. G. ANNA BOLL, V. G. ALICE CLARKE, Secretary. EMMA LEHR, Treasurer.

GRAND CANYON CHAPTER NO. 4, O. E. S.—Meets on the second and fourth Tuesday nights of each month, at 8 o'clock in F. & A. M. Hall. Visiting members of the order are cordially invited.

ELIZABETH WOLFOLK, W. M. C. T. WOLFOLK, W. F. HENRIETTA MYERS, Secretary. SARAH MANNING, Treasurer.

FLAGSTAFF LODGE NO. 7, F. & A. M.—Regular meeting on first Thursday of each month, in Masonic Temple. Visiting brethren invited to attend.

PAUL S. COFFIN, W. M. N. G. LAYTON, Secretary.

ELDEN LODGE NO. 23, PYTHIAN SISTERS—Meets every second and fourth Friday night of each month in Elks' Hall. Visiting Pythians and Sisters are cordially invited to attend.

ALICE CLARKE, M. E. C. CLEONE HOGAN, E. S. GOLDIE MCKINNEY, M. of R. C.

CHURCH DIRECTORY

FEDERATED CHURCH—Services every Sunday, as follows: Sunday School, 9:45 a. m. Freewill service, 11 a. m. Junior Endeavor, 7 p. m. Senior Endeavor, 7 p. m. Evening worship 8:15 o'clock.

You are cordially invited to worship with us. Strangers always welcome. OLIVER S. BAUM, Minister.

CHURCH OF THE EPIPHANY (Episcopal)—Sunday school, 10. Morning service, 11. Everyone cordially welcomed.

Holy communion, 8 a. m., except on the first Sunday of every month, when this service is held at 11 a. m.

REV. LUTHER MOORE, Minister.

ADVENT CHURCH—Sabbath School service at 2 p. m. Preaching at 8 p. m. Prayer meeting Wednesday evenings at 7:30. Preaching service every Sunday evening at 7:30. Everybody welcome.

CHRISTIAN SCIENCE SOCIETY (over Breen-Lewis Drug Co.)—Sunday school, 9:45 a. m. Church service, 11 a. m. Wednesday evening service, 8 p. m. All are cordially invited.

JOHN SINCLAIR, Flagstaff, Arizona.

Cattle branded on left hip.

PETER MICHELBACH, Flagstaff, Arizona

Cattle branded on right ribs. Horses branded on right shoulder. Range on San Francisco Mountains.

Also own Horses branded

HOWELL & WETZLER, Navajo, Arizona.

Also own and run following brands and marks:

on left rib. on shoulder. side and hip. Horses left thigh. on left shoulder. on left hip. on left ribs.

Range: Eastern Apache County.

CLEAR CREEK CATTLE CO., c/o A. H. Miller, Winslow, Arizona.

on left hip. on left side. Left side and hip. on left side & hip. on left ribs to hip.

Range: West Clear Creek canyon and on Coconino National Forest.

GIDDINGS CATTLE COMPANY, James Giddings, Mgr.

Range: North of San Francisco Peaks and Little Colorado river. Also brands:

on left shoulder, ribs and hip. Horses branded on left shoulder.

JACK BARBER, PAYSON, ARIZ.

Left Right. Range: East watershed Mazatzal Mts. from Mt. Ord to N. Peak. Payson, Rye and Deer Creek.

Horses - T - left branded on left shoulder. H - ribs.

D. A. RANCH, Cornville, Arizona.

Cattle branded as shown on cut. Old brand on left ribs of cattle.

Horses branded left shoulder.

Range: Verde River, Oak Creek, Sedona and Munds Park.

ASH CREEK CATTLE CO., c/o Al Smith, Ash Fork, Ariz.

on left ribs. on left ribs. Horses branded on right shoulder.

V on left jaw. AA left should'r. on left thigh.

J. A. KELLAM, Flagstaff, Arizona.

Cattle branded on left shoulder and on left ribs as in cut.

Also on left ribs. All increase branded as shown on animal.

Range: Summer, Pump House and Lake Mary; winter, Roden Springs and Little Colorado.

OAK CREEK CATTLE CO., W. K. HILL, Secty., Jerome, Ariz.

Crop left. Underlip right. All increase branded as above. Also own following brands:

05 E TU. A few of our cattle drift onto to reserve and once in awhile onto the mountain above Sedona.

EARL ALBRIGHT, Ash Fork, Arizona.

Cattle branded on left hip.

Increase branded as shown on cut. Horses branded on left thigh.

Range: Mt. Floyd and vicinity, northwest of Ash Fork.

LEE VAN DEREN, Sedona, Arizona.

Cattle branded as in cut on left side.

Also branded on left ribs.

Range: Sedona and Dry Creek, Arizona.

BLACK CATTLE CO., C. A. Minty, Secretary, Jerome, Ariz.

Cattle branded M A on left ribs and T on hip.

Horses branded M A on left thigh.

Range: Rogers Lake and Red Rock.

WM. NAGILLER, Williams, Arizona.

Cattle branded on left ribs.

Also on left ribs. Horses branded on left thigh.

Horses branded NF on left side. Range: West of Bill Williams Mountains.

Reid-Cashion Land & Cattle Co., Seligman, Arizona.

Cattle branded 7 on each hip. Also on left ribs and jaw.

on left ribs. on right hip.

on left thigh and shoulder. on left thigh and shoulder.

Long rail small as rail runs across entire critter.

Horse brands: K M left thigh, 7 on left shoulder, on right thigh. Left ribs cattle. Left shoulder horses.

Range: Stone Ranch and north of Ash Fork.

Old stock branded on left side; young stock on left thigh and on left hip. All steers branded as in cut with e also on left jaw. Horse brand J on right shoulder.

Range: Williamson and Chino valleys, Yavapai county and Kelling's Tanks in Coconino county.

SANFORD LIVE STOCK CO., Seligman, Arizona.

on left shoulder, ribs and hip. Left ribs 97 ribs.

Also owners of the following brands: on left ribs, and on left hip.

W on left neck. W on left ribs. Horses branded VII on left thigh.

Also on left thigh. DS on left ribs. 6 on hip and 6 on jaw.

Left Right. Left Thigh all horses.

Also own the following brands: on left ribs. on left hip. on left thigh.

Cattle—on right ribs. Horses branded same as shown on animal. DS on left thigh and jaw.

Range: Hualapai Indian Reservation Aubrey Valley, Black Tanks and The Plains.

LLOYD VAN DEREN, Sedona, Arizona.

Range: Munds Pocket and Sedona.

COCONINO CATTLE CO., E. H. Crabb, Mgr., Jerome, Arizona.

Cattle branded on left ribs and slash on hip.

Range: Rogers Lake, Sycamore Canyon and Windmill country.

Horses branded as in cut on left thigh.

Range: Rogers Lake, Sycamore Canyon and Windmill country.

CHISHOLM BROTHERS, Flagstaff, Arizona.

Cattle branded on left ribs. Also on right ribs.

Range: Lake Mary and Mormon Lake.

W. K. BROWN, Ash Fork, Arizona.

Brand as shown on animal, left ribs on cattle and right thigh on horses. Ear mark: Swallow fork right, under bit left. No one authorized to sell anything in this brand.

Range: North of Ash Fork, Arizona.

PITTMAN VALLEY LAND & CATTLE COMPANY, Flagstaff, Arizona.

Ear marked thus: on right thigh. Horses branded on left thigh.

Pittman Valley, north central part of Coconino county, 7 or 8 miles east of Williams.

J. E. PURTYMAN, Sedona, Arizona.

Cattle branded as shown in cut.

Additional brands: on left ribs. Brands: on left ribs.

Range: Sedona, Oak Creek and Mexican Pools.

MRS. W. K. BROWN, Ash Fork, Arizona.

left ribs. left ribs.

Horses branded on left thigh.

Range: North of Ash Fork.

IRVEN H. WALKER, Camp Verde, Arizona.

on left ribs. Range: Long valley and Beaver Creek.

WM. M. RUDD, JR., Flagstaff, Arizona.

Cattle branded on left ribs. Horses branded 7D on right hip.

Range: San Francisco Mountains and Coconino Forest.

W. H. DICKISON, Flagstaff, Arizona.

Also owns the following brands: JN on left ribs and D7 on right ribs. Range: Apache Mts. and Stoneman Lake.

MURIETTA & MILLER, Clarkdale, Arizona.

Cattle branded as per cut on left ribs; also V on jaw. Horses branded same on left thigh; also.

Range: Rogers Lake and Sycamore Canyon.

JOHNSON CATTLE CO., M. N. Perkins, Mgr., Williams, Ariz.

Left side animal. (Breaching) Also following M brands: on left ribs. Range: South of Williams.

ROY W. NAGILLER, Williams, Arizona.

Range: Sitgreaves Mt. in summer and Red Butte in winter.

E. E. THURSTON, Camp Verde, Arizona.

Range at Bald Hill Prescott National Forest.

E. T. MULHOLLAND, Flagstaff, Arizona.

Cattle brand as shown on cut. Range: Munds Park district to Camp Verde.

CAMPBELL-FRANCIS CO., Flagstaff, Arizona.

Cattle branded as shown on cut. Range: Lockett tanks and Jeycock tanks.

W. F. WALLACE, Flagstaff, Arizona.

Horses branded as shown on cut, on left thigh. Range: Morone Lake.

NELSON PUNTENNEY, Puntney, Arizona.

Cattle also branded on left hip N on jaw. Horses branded on left thigh.

Range: South of Ash Fork, Chino Valley and Verde River.

D. E. COLLINS, Flagstaff, Arizona.

Cattle also branded ZAK, Z left shoulder, A left ribs, K left hip. Buckhorn brand of cattle range: Beaver Creek and Montezuma Well.

Brand on left ribs of cattle and on left thigh of horses.

ASA HUFF, Anita, Arizona.

Range: Red Butte and Anita, Grand Canyon division of Tusayan National Forest.

GEORGE BLACK, JR., Sedona, Arizona.

Horses branded on left thigh as shown on cut. Range: Sedona and Lower Oak Creek.

LESLIE CLAYTON, Camp Verde, Arizona.

Also the following brands: on left ribs. Horses branded as shown on animal. Range: Long Valley, Fossil Creek and Hackberry Mountain.

W. H. PITTS & SON, Ash Fork, Arizona.

Range: Northern Yavapai and Southern Coconino Co.

Horses branded on either thigh. Left ribs, horses left thigh. Either jaw.

New Brands Applied For Dec. 31, 1920

| Brand | Earmark | Location of Brand | Name of Applicant: Post-Office Address |
|-------|---------|-------------------|--|
| L-M   | OO      | C. left ribs.     | Marion Lee, Nutrioso, Ariz.            |
| B     | OO      | H. left shoulder. | Geo. C. Ewagart, Douglas, Ariz.        |
| VL    | OO      | C. left ribs.     | C. Van Leuven, Mt. Trumbull, Ariz.     |
| J     | OO      | H. left thigh.    | Jesus Encinas, Winkelman, Ariz.        |
| L     | OO      | C. left hip.      | J. A. Farrell, Kingman, Ariz.          |
| 4     | OO      | H. left thigh.    | Den Jackson, Flag, Ariz.               |
| 2     | OO      | C. left ribs.     | J. C. Flanagan, Parks, Arizona.        |
| H     | OO      | H. left thigh.    | Juan Angel, Sells, Arizona.            |
| 87    | OO      | C. left ribs.     | Severo Peraza, Patagonia, Ariz.        |
| 3     | OO      | H. left thigh.    | Severo Peraza, Patagonia, Ariz.        |
| 7     | OO      | C. left hip.      | A. L. Mills, Wilcox, Ariz.             |
| 7     | OO      | H. left thigh.    | Jesus Salaz, Casabel, Ariz.            |
| 7     | OO      | C. left ribs.     | James M. Ross, Haynes, Ariz.           |
| 7     | OO      | H. left shoulder. |  |
| 7     | OO      | C. right hip.     |  |
| 7     | OO      | H. right thigh.   |  |

New Brands Applied for Dec. 24, 1920

| Brand | Earmark | Location of Brand  | Name of Applicant: Post Office Address  |
|-------|---------|--------------------|---|
| 02    | OO      | C. left shoulder.  | Geronimo & Villermo, Sells, Arizona.    |
| 7     | OO      | H. left shoulder.  | Awry Ethel Wilson, Klondyke, Arizona.   |
| 7     | OO      | C. left ribs.      | Herran & Rodriguez, Tucson, Arizona.    |
| 7     | OO      | H. left thigh.     | Mrs. Ynocencia Martinez, Yuma, Ariz.    |
| 7     | OO      | C. left hip.       | Carl McMillan, Tucson, Arizona.         |
| 7     | OO      | H. left shoulder.  | T. Jovino, Patagonia, Arizona.          |
| 7     | OO      | C. left ribs.      | E. Wine, Camp Verde, Ariz.              |
| 7     | OO      | H. left thigh.     | Mrs. L. A. Matthews, Paradise, Arizona. |
| 7     | OO      | C. left hip.       | C. L. Lillywhite, Chandler, Arizona.    |
| 7     | OO      | H. left thigh.     | Carl Thurio, Young, Arizona.            |
| 7     | OO      | C. left ribs.      | J. W. Warren, Camp Verde, Ariz.         |
| 7     | OO      | H. left thigh.     | Bud Owens, Tolleson, Arizona.           |
| 7     | OO      | C. right ribs.     |   |
| 7     | OO      | H. right shoulder. |   |